Long-billed Curlew Survey Codes

Sky Codes

- 0 Clear or few clouds
- Partly cloudy
- Cloudy (broken, overcast)
- Fog or smoke
- Drizzle
- Snow
- Showers (intermittent rain)

Topography

F Flat R Rolling Pocketed

Beaufort Wind Scale

- 0 Smoke rises vertically (<1 mph)
- Wind direction shown by smoke drift (1-3 mph)
- 2 Wind felt on face, leaves rustle (4-7 mph)

LBCU

NONE

MEPME

PROLO

- Leaves, twigs in motion; light flag extended (8-12 mph)
- 4 Dust, loose paper blow; small branches in motion (13-18 mph)
- 5 Small trees sway, wavelets on water (19-24 mph)

Vegetation Height

Category 1 2 3 4 5	Height bare ground-4 cm (1 1/2 in) 4-10 cm (4 in) 10-15 cm (6 in) 15-45 cm (17 1/2) 45-65 cm (25 in)	In relation to LBCU can see foot covers foot to "knee" up to base of belly up to back up to eye level
6	\geq 65 cm (25 in)	above head

LBCU Age & Sex Codes

AHY HY DY	after hatch year (adults) young of the year downy young	
M F U	male female unknown sex	

LBCU Flock Codes

- Single 1 2 Pair
- 3 Flock: more than 1 bird and/or more than one obvious pair

Incidental Species Codes MOUP Mountain Plover WILL Willet Upland Sandpiper **UPSA** Marbled Godwit MAGO **SEOW** Short-eared Owl **BUOW** Burrowing Owl LPCH Lesser Prairie-Chicken **GPCH** Greater Prairie-Chicken STGR Sharp-tailed Grouse **GSGR** Greater Sage-Grouse **CANLA** Coyote **VULVU** Red Fox **VULVE** Swift/Kit Fox UROCI Gray Fox TAXTA American Badger

Striped Skunk

Raccoon

Species Codes

Long-billed Curlew

Nothing seen

LBCU Activity Codes

FE R FO T N	Feeding: Actively pursuing food Roosting: Actively roosting (eyes closed, one leg up, head under wing, etc.) Flying overhead: passing over area, not involved in territorial displays or other behaviors Territorial displays: encounters between 2 or more LBCU, mate advertisement Nesting: Includes copulating, scrape/nest building, egg laying, incubation, brooding young
D M	Distraction displays: aerial or ground displays associated with nesting or young defense Mobbing: specify observer, raptor, etc.

Habitat Codes

On Habitat Data Sheet: estimate the % (in increments of 25% or greater) in broad habitat classification categories by quarters (NE, NW, SE, SW) within the 400 m radius of the stop point. Record up to four (4) primary habitat codes in each quadrant and include all appropriate secondary codes and habitat conditions where they are easily determined. On the Survey Data Sheet: use the code which best describes the habitat being occupied by the LBCU, at first detection, within a 5-m radius of where the bird is located.

Primary Codes		
GRAS	grasslands	
RCWS	rural cultivated woodlands, scattered	
	farm buildings, associated grounds,	
.	shelterbelts, orchard tree farms	
CROP	cropland, planted growing crops, post-	
	harvest stubble	
BARE	barren ground, plowed not yet	
	replanted, planted not yet growing	
WEED	weedy fields; former grasslands, forb	
	dominated fields	
SHRB	shrubs clumped	
STEP	steppe, widely dispersed shrubs with	
	≥50% grass	
WOOD	woodlands	
EMWL	wetlands/wet meadows	
OWWL	open water wetlands, rivers, lakes,	
	reservoirs, irrigation canals	
STOK	stockpond, windmill	
OTHR	urban residential and industrial	
	miscellaneous	
UNKN	cannot see due to topography or other	
	visual obstructions	

'	•
	Secon
Grasslands	
NTPA	P
PAST	non-native, tame pasture/rangelands
CRPC	Conservation Reserve/ Permanent
	Cover Program
SHTG	J J J J
	grass, includes cactus and small shrubs
MIXG	mixed grass prairie: wheatgrass-
	needlegrass
TALG	
	needlegrass
TUND	alpine tundra and montane grasslands
Shrublands	
SAGE	sagebrush Artemisia-Agropyron
SALT	saltbrush-shadescale-greasewood
	Atriplex-Sacrobatus alkaligrass
OAKS	oak shrub Quercus gambelli
	mountain shrublands mixed species
	Cercocarpes
WILC	highland willow carr Salix
Voodlands	
CONF	conifer forest
RIPA	lowland riparian and hardwood
	bottomland Populus-Salix-Acer
ASPE	aspen Populus tremuloides
DECW	deciduous woodlands
MXFO	mixed deciduous-conifer woodland
Vetlands	
EPHW	ephemeral/temporary ponds, wetlands,
	low wet prairie
SPLW	semipermanent lakes and ponds,
	shallow marshes
PLPW	permanent lakes and ponds, deep
	marsh
	alkali ponds & lakes, intermittent alkali
FENW	fen (alkaline) bog, wet meadow

lary Codes	
Other	
URCP	urban residential and parks
UIND	urban industrial, downtown, commercial districts
ROCK	rocks
OILP	mining pits, oil wells/pipes
HPLT	high power tension lines/poles
FLOT	feedlot
MISC	miscellaneous: specify

	Tertiary Grassland Codes
Grassland f	oliage structure: don't include seedheads
SHRT	short grass, < 5" / < 12cm
MEDM	mid grass, 5-15" / 12-38cm
TALL	tall grass, >15" / > 38cm

	Habitat Conditions
Manageme	nt tool
GRAZ	grazed (cattle currently on, fresh pies)
BURN	burned (presence of ash or soot, black ground)
MCUT	mechanically cut: mowed, hayed
IR	irrigated grasslands, croplands, etc.
DY	dryland cropland, tame pastures
Invasive sp	ecies
INVA	invasive species, particularly grasses, e.g. cheat grass (<i>Bromus tectorum</i>), Kentucky blue-grass (<i>Poa pratensis</i>), other bromes (<i>Bromus</i> spp.), etc. Indicate species and estimate %
Burrowing r	mammals
PDOG	prairie dog town
RGSQ	Richardson's ground squirrel
	AC active town (# mounds total)

IA inactive town (# mounds total)